

**Table S1.** Publications using or mentioning HSC-T6 cells

| S/N | Year of publication | Reference   | Origin of publication |
|-----|---------------------|---|-----------------------|
| 1   | 1998                | Kim Y, Ratziu V, Choi SG, Lalazar A, Theiss G, Dang Q, Kim SJ, Friedman SL. Transcriptional activation of transforming growth factor beta1 and its receptors by the Kruppel-like factor Zf9/core promoter-binding protein and Sp1. Potential mechanisms for autocrine fibrogenesis in response to injury. J Biol Chem. 1998;273(50):33750-8. doi: <a href="https://doi.org/10.1074/jbc.273.50.33750">10.1074/jbc.273.50.33750</a> | USA / Germany         |
| 2   | 1999                | Nieto N, Friedman SL, Greenwel P, Cederbaum AI. CYP2E1-mediated oxidative stress induces collagen type I expression in rat hepatic stellate cells. Hepatology 1999;30(4):987-96. doi: <a href="https://doi.org/10.1002/hep.510300433">10.1002/hep.510300433</a>   | USA                   |
| 3   | 2000                | Ankoma-Sey V, Wang Y, Dai Z. Hypoxic stimulation of vascular endothelial growth factor expression in activated rat hepatic stellate cells. Hepatology 2000;31(1):141-8. doi: <a href="https://doi.org/10.1002/hep.510310122">10.1002/hep.510310122</a>  | USA                   |
| 4   | 2000                | Zhang M, Zhang JP, Ji HT, Wang JS, Qian DH. Effect of six flavonoids on proliferation of hepatic stellate cells in vitro. Acta Pharmacol Sin. 2000;21(3):253-6. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/11324426/">11324426</a>  | China                 |
| 5   | 2000                | Vogel S, Piantedosi R, Frank J, Lalazar A, Rockey DC, Friedman SL, Blaner WS. An immortalized rat liver stellate cell line (HSC-T6): a new cell model for the study of retinoid metabolism in vitro. J Lipid Res. 2000;41(6):882-93. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/10828080/">10828080</a>   | USA                   |
| 6   | 2000                | Paik J, Vogel S, Piantedosi R, Sykes A, Blaner WS, Swisshelm K. 9-cis-retinoids: biosynthesis of 9-cis-retinoic acid. Biochemistry 2000;39(27):8073-84. doi: <a href="https://doi.org/10.1021/bi992152g">10.1021/bi992152g</a>  | USA                   |
| 7   | 2001                | Bruck R, Genina O, Aeed H, Alexiev R, Nagler A, Avni Y, Pines M. Halofuginone to prevent and treat thioacetamide-induced liver fibrosis in rats. Hepatology 2001;33(2):379-86. doi: <a href="https://doi.org/10.1053/jhep.2001.21408">10.1053/jhep.2001.21408</a>   | Israel                |
| 8   | 2001                | Zhang JP, Zhang M, Zhou JP, Liu FT, Zhou B, Xie WF, Guo C. Antifibrotic effects of matrine on in vitro and in vivo models of liver fibrosis in rats. Acta Pharmacol Sin. 2001;22(2):183-6. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/11741525/">11741525</a>   | Israel                |
| 9   | 2001                | Zhang JP, Zhang M, Jin C, Zhou B, Xie WF, Guo C, Zhang C, Qian DH. Matrine inhibits production and actions of fibrogenic cytokines released by mouse peritoneal macrophages. Acta Pharmacol Sin. 2001;22(8):765-8. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/11749854/">11749854</a>   | China                 |
| 10  | 2001                | Kang LP, Qi LH, Zhang JP, Shi N, Zhang M, Wu TM, Chen J. Effect of genistein and quercetin on proliferation, collagen synthesis, and type I procollagen mRNA levels of rat hepatic stellate cells. Acta Pharmacol Sin. 2001;22(9):793-6. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/11749858/">11749858</a>   | China                 |
| 11  | 2001                | Qi LH, Kang LP, Zhang JP, Shi N, Zhang M, Wu TM. [Antifibrotic effects of genistein and quercetin in vitro]. Yao Xue Xue Bao 2001;36(9):648-51. Chinese. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/12580099/">12580099</a>   | China                 |

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| 12 | 2002 | Saxena NK, Ikeda K, Rockey DC, Friedman SL, Anania FA. Leptin in hepatic fibrosis: evidence for increased collagen production in stellate cells and lean littermates of ob/ob mice. <i>Hepatology</i> 2002;35(4):762-71. doi: <a href="https://doi.org/10.1053/jhep.2002.32029">10.1053/jhep.2002.32029</a>  | USA   |
| 13 | 2002 | Ding HG, Wang BE, Shang HW. [Effect of herbal compound 861 on expression and activity of nitric oxide synthase in hepatic stellate cells]. <i>Zhongguo Zhong Xi Yi Jie He Za Zhi</i> . 2002;22(5):362-4. Chinese. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/12584838/">12584838</a>   | China |
| 14 | 2002 | Yin C, Ma H, Wang A, Ma X, Jia J, Wang B. [Effect of compound 861 on tissue inhibitor of metalloprotenase 1 gene expression of HSC-T6 cells]. <i>Zhonghua Gan Zang Bing Za Zhi</i> . 2002;10(3):197-9. Chinese. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/12113678/">12113678</a>   | China |
| 15 | 2002 | During A, Hussain MM, Morel DW, Harrison EH. Carotenoid uptake and secretion by CaCo-2 cells: beta-carotene isomer selectivity and carotenoid interactions. <i>J Lipid Res</i> . 2002;43(7):1086-95. doi: <a href="https://doi.org/10.1194/jlr.m200068-jlr200">10.1194/jlr.m200068-jlr200</a>  | USA   |
| 16 | 2003 | Chen YX, Lu CH, Xie WF, Zhang XR, Zhang ZB, Wei LX, Jin YX, Guo YJ. [Effect of ribozyme against platelet-derived growth factor receptor beta subunit mRNA on the biological characters of hepatic stellate cells]. <i>Zhonghua Gan Zang Bing Za Zhi</i> 2003;11(5):278-81. Chinese. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/12773241/">12773241</a> | China |
| 17 | 2004 | Zhang G, Zhang FC, Wang TC, Liang KH. [The effects of Chinese national medicine of Huoxueruanjian compound on SMAD signal in hepatic stellate cell and its significance]. <i>Zhonghua Gan Zang Bing Za Zhi</i> 2004;12(4):213-5. Chinese. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/15099469/">15099469</a>   | China |
| 18 | 2004 | Dong MS, Jung SH, Kim HJ, Kim JR, Zhao LX, Lee ES, Lee EJ, Yi JB, Lee N, Cho YB, Kwak WJ, Park YI. Structure-related cytotoxicity and anti-hepatofibrotic effect of asiatic acid derivatives in rat hepatic stellate cell-line, HSC-T6. <i>Arch Pharm Res</i> . 2004;27(5):512-7. doi: <a href="https://doi.org/10.1007/BF02980124">10.1007/BF02980124</a> | Korea |
| 19 | 2004 | Ding HG, Wang BE, Jia JD, Xia HX, Wong CY, Zhao CH, Xu YL. Effects of octreotide on expression of L-type voltage-operated calcium channels and on intracellular Ca <sup>2+</sup> in activated hepatic stellate cells. <i>Chin Med J. (Engl)</i> 2004;117(6):913-6. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/15198898/">15198898</a>                  | China |
| 20 | 2004 | Abu-Absi SF, Hansen LK, Hu WS. Three-dimensional co-culture of hepatocytes and stellate cells. <i>Cytotechnology</i> 2004;45(3):125-40. doi: <a href="https://doi.org/10.1007/s10616-004-7996-6">10.1007/s10616-004-7996-6</a>   | USA   |
| 21 | 2004 | Huang J, Hu JH, Qiu L, Cai Z. [Mechanisms of sodium ferulate inhibition of collagen synthesis in hepatic stellate cells]. <i>Yao Xue Xue Bao</i> 2004;39(8):577-80. Chinese. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/15563055/">15563055</a>  | China |
| 22 | 2004 | Li GM, Shi Y, Li DG, Xie Q, Guo Q, Jin YX. [Effect of small interfering RNA targeting connective tissue growth factor on the synthesis and secretion of extracellular matrix in hepatic stellate cells]. <i>Zhonghua Gan Zang Bing Za Zhi</i> 2004;12(9):526-9. Chinese. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/15387902/">15387902</a>            | China |
| 23 | 2004 | Wang X, Tang X, Gong X, Albanis E, Friedman SL, Mao Z. Regulation of hepatic stellate cell activation and growth by  | USA   |

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|    |      | transcription factor myocyte enhancer factor 2. Gastroenterology 2004;127(4):1174-88. doi: <a href="https://doi.org/10.1053/j.gastro.2004.07.007">10.1053/j.gastro.2004.07.007</a>   |             |
| 24 | 2004 | Fiorucci S, Antonelli E, Rizzo G, Renga B, Mencarelli A, Riccardi L, Orlandi S, Pellicciari R, Morelli A. The nuclear receptor SHP mediates inhibition of hepatic stellate cells by FXR and protects against liver fibrosis. Gastroenterology 2004;127(5):1497-512. doi: <a href="https://doi.org/10.1053/j.gastro.2004.08.001">10.1053/j.gastro.2004.08.001</a> | Italy       |
| 25 | 2005 | Badria FA, Dawidar AA, Houssen WE, Shier WT. In vitro study of flavonoids, fatty acids, and steroids on proliferation of rat hepatic stellate cells. Z Naturforsch C J Biosci. 2005;60(1-2):139-42. doi: <a href="https://doi.org/10.1515/znc-2005-1-225">10.1515/znc-2005-1-225</a>   | Egypt / USA |
| 26 | 2005 | Hsu YC, Lin YL, Chiu YT, Shiao MS, Lee CY, Huang YT. Antifibrotic effects of Salvia miltiorrhiza on dimethylnitrosamine-intoxicated rats. J Biomed Sci. 2005;12(1):185-95. doi: <a href="https://doi.org/10.1007/s11373-004-8167-7">10.1007/s11373-004-8167-7</a>  | Taiwan      |
| 27 | 2005 | Song YH, Zhou XM, Xue XN, Liu NZ, Tian DA, Kong XJ, Wu XL, Lin JS, Jin YX. Effect of ribozyme against transforming growth factorbeta1 on biological character of activated HSCs. IUBMB Life 2005;57(1):31-9. doi: <a href="https://doi.org/10.1080/15216540400024470">10.1080/15216540400024470</a>  | China       |
| 28 | 2005 | Li X, Meng Y, Jiang B, Yang XS, Wang WW, Guo D, Lai ZS, Zhang ZS. [Effects of angiotensin II and aldosterone on NF-kappaB binding activity in hepatic stellate cells]. Zhonghua Yi Xue Za Zhi 2005;85(6):374-80. Chinese. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/15854525/">15854525</a>   | China       |
| 29 | 2005 | Song YH, Chen XL, Kong XJ, Liu NZ, Li W, Wu XL, Lin JS, Jin YX. Ribozymes against TGFbeta1 reverse character of activated hepatic stellate cells in vitro and inhibit liver fibrosis in rats. J Gene Med. 2005;7(7):965-76. doi: <a href="https://doi.org/10.1002/jgm.744">10.1002/jgm.744</a>   | China       |
| 30 | 2005 | Ma H, Ma XM, Yin CH, Jia JD, Wang BE. [Effects of gamma-interferon on gene expression of collagen I, III and on the tissue inhibitor of metalloprotenase 1 in HSC-T6 cells]. Zhonghua Gan Zang Bing Za Zhi 2005;13(7):528-30. Chinese. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/16042892/">16042892</a>  | China       |
| 31 | 2005 | Li X, Meng Y, Cai SX, Yang XS, Zhang YJ, Wu PS. [Angiotensin II and aldosterone stimulate alpha1-(I) procollagen mRNA expression in hepatic stellate cells via activation of ERK1/2 and AP-1]. Zhonghua Yi Xue Za Zhi 2005;85(26):1831-5. Chinese. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/16253189/">16253189</a>  | China       |
| 32 | 2005 | Li X, Meng Y, Yang XS, Wu PS, Zhang ZS. [Aldosterone stimulating PDGF-B expression in HSC via activation of EGR-1]. Zhonghua Gan Zang Bing Za Zhi 2005;13(8):567-70. Chinese. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/16092976/">16092976</a>   | China       |
| 33 | 2005 | Chor SY, Hui AY, To KF, Chan KK, Go YY, Chan HL, Leung WK, Sung JJ. Anti- proliferative and pro-apoptotic effects of herbal medicine on hepatic stellate cell. J Ethnopharmacol. 2005;100(1-2):180-6. doi: <a href="https://doi.org/10.1016/j.jep.2005.02.036">10.1016/j.jep.2005.02.036</a>   | China       |
| 34 | 2005 | Tan Y, Lu ZP, Ou SN, Zhang X. [Experimental study on effect of baoganning on activity of nuclear transcription factor-kappaB in hepatic stellate cells]. Zhongguo Zhong Xi Yi Jie He Za Zhi 2005;25(9):804-7. Chinese. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/16248243/">16248243</a>  | China       |
| 35 | 2005 | Zhang Y, Liu Y. [Study on effects of salidroside on lipid peroxidation on oxidative stress in rat hepatic stellate cells]. Zhong Yao Cai 2005;28(9):794-6. Chinese. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/16447872/">16447872</a>   | China       |

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| 36 | 2005 | Traister A, Breitman I, Bar-Lev E, Zvibel I, Harel A, Halpern Z, Oren R. Nicotinamide induces apoptosis and reduces collagen I and pro-inflammatory cytokines expression in rat hepatic stellate cells. Scand J Gastroenterol. 2005;40(10):1226-34. doi: <a href="https://doi.org/10.1080/00365520510023341">10.1080/00365520510023341</a> | Israel |
| 37 | 2005 | Zhang J, Zhang ZT, Wang Y, Wang P, Li JS, Zhou YZ. [Effect of endothelin-1 and its antagonists on the expression of endothelin receptors mRNA in HSC-T6 cells]. Zhonghua Wai Ke Za Zhi. 2005;43(21):1395-7. Chinese. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/16318777/">16318777</a>  | China  |
| 38 | 2005 | Jiang Y, Li ZS, Jiang FS, Deng X, Yao CS, Nie G. Effects of different ingredients of zedoary on gene expression of HSC-T6 cells. World J Gastroenterol. 2005;11(43):6780-6. doi: <a href="https://doi.org/10.3748/wjg.v11.i43.6780">10.3748/wjg.v11.i43.6780</a>   | China  |
| 39 | 2006 | Tan Y, Lv ZP, Bai XC, Liu XY, Zhang XF. Traditional Chinese medicine Bao Gan Ning increase phosphorylation of CREB in liver fibrosis in vivo and in vitro. J Ethnopharmacol. 2006;105(1-2):69-75. doi: <a href="https://doi.org/10.1016/j.jep.2005.09.040">10.1016/j.jep.2005.09.040</a>   | China  |
| 40 | 2006 | Liu X, Wang W, Hu H, Tang N, Zhang C, Liang W, Wang M. Smad3 specific inhibitor, naringenin, decreases the expression of extracellular matrix induced by TGF-beta1 in cultured rat hepatic stellate cells. Pharm Res. 2006;23(1):82-9. doi: <a href="https://doi.org/10.1007/s11095-005-9043-5">10.1007/s11095-005-9043-5</a>              | China  |
| 41 | 2006 | Cheng K, Ye Z, Guntaka RV, Mahato RI. Enhanced hepatic uptake and bioactivity of type alpha1(I) collagen gene promoter-specific triplex-forming oligonucleotides after conjugation with cholesterol. J Pharmacol Exp Ther. 2006;317(2):797-805. doi: <a href="https://doi.org/10.1124/jpet.105.100347">10.1124/jpet.105.100347</a>         | USA    |
| 42 | 2006 | Song YH, Xue XL, Zhao Q, Tian DA, Liu NZ, Huang HJ, Lin JS. [Hammerhead ribozyme-mediated cleavage of transforming growth factor beta1 RNA in a cell- free system and in hepatic stellate cells]. Zhonghua Gan Zang Bing Za Zhi 2006;14(2):93-6. Chinese. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/16494775/">16494775</a>           | China  |
| 43 | 2006 | Chong LW, Hsu YC, Chiu YT, Yang KC, Huang YT. Anti-fibrotic effects of thalidomide on hepatic stellate cells and dimethylnitrosamine-intoxicated rats. J Biomed Sci. 2006;13(3):403-18. doi: <a href="https://doi.org/10.1007/s11373-006-9079-5">10.1007/s11373-006-9079-5</a>   | Taiwan |
| 44 | 2006 | Ye Z, Cheng K, Guntaka RV, Mahato RI. Receptor-mediated hepatic uptake of M6P-BSA-conjugated triplex-forming oligonucleotides in rats. Bioconjug Chem. 2006;17(3):823-30. doi: <a href="https://doi.org/10.1021/bc060006z">10.1021/bc060006z</a>   | USA    |
| 45 | 2006 | Lin YL, Lee TF, Huang YJ, Huang YT. Antiproliferative effect of salvianolic acid A on rat hepatic stellate cells. J Pharm Pharmacol. 2006;58(7):933-9. doi: <a href="https://doi.org/10.1211/jpp.58.7.0008">10.1211/jpp.58.7.0008</a>  | Taiwan |
| 46 | 2006 | Lin YL, Lee TF, Huang YJ, Huang YT. Inhibitory effects of Ligusticum chuanxiong on the proliferation of rat hepatic stellate cells. J Gastroenterol Hepatol. 2006;21(8):1257-65. doi: <a href="https://doi.org/10.1111/j.1440-1746.2006.04326.x">10.1111/j.1440-1746.2006.04326.x</a>  | Taiwan |
| 47 | 2006 | Cheng Y, Ping J, Xu HD, Fu HJ, Zhou ZH. Synergistic effect of a novel oxymatrine-baicalin combination against hepatitis B virus replication, alpha smooth muscle actin expression and type I collagen synthesis in vitro. World J Gastroenterol.   | China  |

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|    |      | 2006;12(32):5153-9. doi: <a href="https://doi.org/10.3748/wjg.v12.i32.5153">10.3748/wjg.v12.i32.5153</a>  |           |
| 48 | 2006 | Cheng Y, Ping J, Liu C, Tan YZ, Chen GF. Study on effects of extracts from Salvia Miltiorrhiza and Curcuma Longa in inhibiting phosphorylated extracellular signal regulated kinase expression in rat's hepatic stellate cells. Chin J Integr Med. 2006;12(3):207-11. doi: <a href="https://doi.org/10.1007/BF02836524">10.1007/BF02836524</a>  | China     |
| 49 | 2006 | Oh SH, Cho KH, Yang BS, Roh YK. Natural compounds from Danshen suppress the activity of hepatic stellate cells. Arch Pharm Res. 2006;29(9):762-7. doi: <a href="https://doi.org/10.1007/BF02974077">10.1007/BF02974077</a>  | Korea     |
| 50 | 2006 | Cong M, Wang P, Liu TH, Xu Y, Lu Y, Tang SZ, Liu XM, Wang BE, Jia JD, You H. [Comparison between the suppression of tissue inhibitor of metalloproteinase-1 gene expression by recombinant adeno-associated virus carrying antisense RNA and small interfering RNA (siRNA) of TIMP-1 in rat hepatic stellate cells]. Zhonghua Gan Zang Bing Za Zhi 2006;14(10):742-7. Chinese. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/17064467/">17064467</a> | China     |
| 51 | 2006 | Zhang C, Zhuo L. Epigallocatechin gallate and genistein attenuate glial fibrillary acidic protein elevation induced by fibrogenic cytokines in hepatic stellate cells. Int J Mol Med. 2006;18(6):1141-51. PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/17089019/">17089019</a>  | Singapore |
| 52 | 2006 | Zhang C, Zhu Y, Wan J, Xu H, Shi H, Lu X. Effects of Ginkgo biloba extract on cell proliferation, cytokines and extracellular matrix of hepatic stellate cells. Liver Int. 2006;26(10):1283-90. doi: <a href="https://doi.org/10.1111/j.1478-3231.2006.01378.x">10.1111/j.1478-3231.2006.01378.x</a>  | China     |
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| 54 | 2007 | Gui M, Zhang YF, Xiao ZY, Sun P, Dai JF, Wang SF, Rui YC, Zhang JP. Inhibitory effect of emodin on tissue inhibitor of metalloproteinases-1 (TIMP-1) expression in rat hepatic stellate cells. Dig Dis Sci. 2007;52(1):200-7. doi: <a href="https://doi.org/10.1007/s10620-006-9321-z">10.1007/s10620-006-9321-z</a>  | China     |
| 55 | 2007 | Hsu YC, Chiu YT, Cheng CC, Wu CF, Lin YL, Huang YT. Antifibrotic effects of tetrandrine on hepatic stellate cells and rats with liver fibrosis. J Gastroenterol Hepatol. 2007;22(1):99-111. doi: <a href="https://doi.org/10.1111/j.1440-1746.2006.04361.x">10.1111/j.1440-1746.2006.04361.x</a>  | Taiwan    |
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|    |      | 2007;27(4):548-57. doi: 10.1111/j.1478-3231.2007.01452.x   |        |
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| 65 | 2007 | Ye Z, Guntaka RV, Mahato RI. Sequence-specific triple helix formation with genomic DNA. Biochemistry 2007;46(40):11240-52. doi: 10.1021/bi700580y  | USA    |
| 66 | 2008 | Yun HS, Do SH, Jeong WI, Yang HJ, Yuan DW, Hong IH, Lee HR, Lee IS, Kim YK, Choi MS, Kim HA, Jeong KS. Cytotoxic effects of the conjugated linoleic acid isomers t10c12, c9t11-CLA and mixed form on rat hepatic stellate cells and CCl4-induced hepatic fibrosis. J Nutr Biochem. 2008;19(3):175-83. doi: 10.1016/j.jnutbio.2007.02.007 | Korea  |
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| 70 | 2008 | Bruck R, Weiss S, Traister A, Zvibel I, Aeed H, Halpern Z, Oren R. Induced hypothyroidism accelerates the regression of liver  | Israel |



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|    |      | fibrosis in rats. J Gastroenterol Hepatol. 2007;22(12):2189-94. doi: 10.1111/j.1440-1746.2006.04777.x  |           |
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